

15.(Currently Amended) A stucco wall structure for a building, comprising:

a wall substrate arranged for receipt of subsequent layers of surface material;

a peripheral screed arrangement disposed on said wall substrate to provide dimensional and finish guidance to subsequent layers of material of said wall structure;

a sprayed-on coating of urethane onto said wall substrate to insure continuous bonding and adherency to between said substrate and said urethane;

a first irregularly surfaced layer of polymer-based base coat and mesh covering said sprayed-on coating of urethane to provide anchoring and adhesion of a subsequent layer of material; and

~~an~~ a screed guidable vacuum planeable outer layer of stucco applied over said first layer of polymer-based base coat as a final coat thereon[;], wherein said sprayed-on coating of foam is thicker than said screed for subsequent trimming thereof by a vacuum planer to a finished thickness.

16. (Original) The stucco wall structure as recited in claim 15, wherein said first layer of polymer-based base coat and mesh is about 1/8 inch thick.

17. (Original) The stucco wall structure as recited in claim 15, wherein said final layer of stucco is about 1/4 inch thick.

18. (Original) The wall structure as recited in claim 15, wherein said wall structure has a peripheral margin and an opening margin, wherein a screed is placed around said margin to facilitate interlocking said sprayed-on foam thereto.

19. (Original) The wall structure as recited in claim 15, wherein said screed is of "L" shape in cross-section.

20. (Original) The wall structure as recited in claim 15, wherein said screed is of "J" shape in cross-section.

21. (Original) The wall structure as recited in claim 15, wherein said outer layer of stucco is comprised of a thin sheet of brick face.

22. (Currently Amended) A method of insulating and finishing a vertical wall structure which is impervious to water, comprising the steps of:

cleaning a surface of said wall structure to be treated;

applying a plane-guiding screed arrangement having a certain thickness, to the peripheral margins of said surface of said wall to be treated;

spraying a urethane foam directly onto said surface of said wall structure defined within said screed arrangement;

applying a first irregularly-surfaced coat of polymer enhanced base coat and mesh onto said sprayed-on coat of urethane foam; ~~and~~

vacuum planning said sprayed-on coat of urethane foam with an elongated vacuum planer prior to application of said first coat of polymer-based base coat and mesh to said thickness of said screed;
and

Serial No.: 10/690,460 Amendment to Claims

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applying a stucco finish material onto said sprayed layer of urethane foam and said first coat of polymer-based base coat and mesh beyond said thickness of said screed.

23. (Cancelled)

24. (Original) The method as recited in claim 22, including the step of:

guiding said vacuum planer at one end thereof, by riding said planer on said screed, to facilitate the proper thickness planning of said urethane foam.